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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,940	11/03/2003	Thomas Scott III	MS1-1731US	4357
22801	7590	10/21/2011	EXAMINER	
LEE & HAYES, PLLC			SAIN CYR, JEAN D	
601 W. RIVERSIDE AVENUE				
SUITE 1400			ART UNIT	PAPER NUMBER
SPOKANE, WA 99201			2425	
			NOTIFICATION DATE	DELIVERY MODE
			10/21/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

lhptoms@leehayes.com

Office Action Summary	Application No.	Applicant(s)	
	10/699,940	SCOTT ET AL.	
	Examiner	Art Unit	
	JEAN D. SAINT CYR	2425	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 17 July 2011.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) Claim(s) 1-8-10, 12-13, 15-16, 18-19, 24-25, 27-29, 31-33, 35-38, 40-44 is/are pending in the application.
 - 5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) Claim(s) _____ is/are allowed.
- 7) Claim(s) 1-8-10, 12-13, 15-16, 18-19, 24-25, 27-29, 31-33, 35-38, 40-44 is/are rejected.
- 8) Claim(s) _____ is/are objected to.
- 9) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 10) The specification is objected to by the Examiner.
- 11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>07/17/2011</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Response to Amendment

This action is in response to applicant's amendment filed on 07/18/2011. Claims 1-10, 12, 13, 15, 16, 18, 19, 24, 25, 27-29, 31-33, 35-38 and 40-44. **This action is made FINAL.**

Response to Arguments

Applicant's arguments with respect to claims 1-10, 12, 13, 15, 16, 18, 19, 24, 25, 27-29, 31-33, 35-38 and 40-44 have been considered and are not persuasive. Applicant argues that the cited references did not disclose generating a sequence of television programs associated with the identifiers for navigation wherein the sequence comprises a corresponding navigational axis; the sequence of television programs including the current television program and at least one other television program that shares one or more of the selected attributes with the currently displayed television program.

However, Herrington et al show in fig.5 a list of related programs and the user has the capability to navigate across them and disclose system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or operations are to be performed on the attributes,0008; 0063; being capable of selecting a plurality of attributes means a plurality of axis are presented to the user for selection.

Also, applicant argues that Ellis et al did not disclose wherein the navigating comprises using the next key or previous key to change from displaying the currently displayed television program in the sequence to displaying another television program in the sequence, wherein the next key or previous key is used to cycle through the sequence of television programs without having to access a menu listing the television programs in the sequence for navigating to display of a next television program in the sequence.

However, Ellis et al clearly show in fig.4 and fig.9 that the user can cycle to all channels without displaying a menu listing by only pressing the Up and down keys in the remote control and disclose the user has pressed the cursor keys repeatedly, until the user has browsed to channel 99. The video that is being displayed on display screen 162 has not changed in this example channel 2 is still being displayed, cursor keys 82 may be used to navigate on-screen menus,0080; 0109-0110. As a result, this action is made final.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having

ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8-10, 12-13, 15-16, 18-19, 24-25, 27-29, 31-33, 35-38, 40-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Herrington(20040221310) et al in view of Ellis et al, US No.20100319041 .

Re claim 1, Herrington et al disclose a method, comprising: displaying a currently displayed television program on a display (see fig.5, element 116);

activating a navigation system during display of the currently displayed television program, wherein the navigation system determines and displays a set of viewer-selectable attributes for the currently displayed television program overlaid on the currently displayed television program, the set of attributes comprising attributes which are each descriptive of a different aspect of the currently displayed television program, wherein each attribute of the set of viewer-selectable attributes corresponds to a combinable navigation context to generate a navigable sequence of television programs(the program guide may display related program find display screen for the program Seinfeld when a user presses a single user interface key while a video for Seinfeld is displayed in display screen,0053; the system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or

operations are to be performed on the attributes,0008; an overlay having listings for programs which are related to the user-selected program,0060);

selecting at least two attributes from the set of viewer-selectable attributes using one or more of three navigation keys comprising a previous key, a next key and a select key (the user may select one or more attributes, 0070; have various buttons that can be pressed by the user such as arrow keys e.g., for directing on-screen movement of a highlight region, for directing scrolling functions, etc., an OK, select, enter, or other such selection key for making a selection, 0045);

logically combining the navigation contexts which correspond to the selected at least two attributes using Boolean operators (When plural attributes are selected, the search may be performed using a logical AND or a logical OR function, 0070);

querying a database of television programming metadata for television program identifiers associated with the combined navigation contexts(system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or operations are to be performed on the attributes,0008;; 0063);

generating a sequence of television programs associated with the identifiers for navigation wherein the sequence comprises a corresponding navigational axis, the

sequence of television programs including the current television program and at least one other television program that shares one or more of the selected attributes with the currently displayed television program (see fig.5 where a list of television programs are associated with identifiers; 0051;0007-0008; provide the user with an opportunity to select attributes of interest,0069).

But did not explicit disclose navigating the sequence of television programs, wherein the navigating comprises using the next key or previous key to change from displaying the currently displayed television program in the sequence to displaying another television program in the sequence, wherein the next key or previous key is used to cycle through the sequence of television programs without having to access a menu listing the television programs in the sequence for navigating to display of a next television program in the sequence.

However, Ellis et al disclose navigating the sequence of television programs, wherein the navigating comprises using the next key or previous key to change from displaying the currently displayed television program in the sequence to displaying another television program in the sequence, wherein the next key or previous key is used to cycle through the sequence of television programs without having to access a menu listing the television programs in the sequence for navigating to display of a next television program in the sequence(see fig.4 and fig.9 where the user is capable of cycling across the programs without access a menu listing; the user may change the

channel using channel up and down keys on the remote control or using user interface 118 to issue other suitable channel change commands, 0105-0108; Cursor keys 82 may be used to navigate on-screen menus,0080; 0109-0110).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing users to interact with up and down buttons to select content without opening any other menus.

Re claim 2, Herrington et al explicitly disclose wherein the querying is performed by one or more predefined queries and each predefined query is associated with a combinable navigation context (0009; the program guide may provide the user with an opportunity to configure search parameters for searching for related programs based on attributes of the user-selected program,0063)

Re claim 3, Herrington et al disclose wherein the set of attributes includes an actor attribute and a director attribute, and wherein logically combining the navigation contexts which correspond to the selected attributes comprises logically combining navigation contexts which correspond to the actor attribute and the director attribute to generate a single actor-director navigational axis (whether a program has the same actor, director, 0051).

Re claim 4, Herrington et al disclose wherein links for launching the one or more predefined queries are associated with television program content (while a video for Seinfeld is displayed in display screen 92. The single user interface key may, for example, be a search key of a remote control for requesting that the system locate related programs, 0053).

Re claim 5, Herrington et al disclose wherein the television program content is included in a conventional broadcast television show (see fig.5).

Re claim 6, Herrington et al did not disclose wherein the television program content is included in one of an on-demand television show or an on-demand television movie.

However, Ellis et al disclose wherein the television program content is included in one of an on-demand television show or an on-demand television movie on demand (see fig.7; a video-on-demand application may be supported using server 5,0061).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing users to receive on demand contents from service provider according to their request.

Re claim 7, Herrington et al did not explicitly disclose wherein the television program content is included in television musical programming.

However, Ellis et al disclose wherein the television program content is included in television musical programming (Content such as television programming and digital music may be provided from programming sources 12 to television distribution facilities,0048).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing user to get access to music data or audio content.

Re claim 8, Herrington et al disclose wherein a link is selectable while the television program content is playing(the program guide may display related program find display screen 94 for the program Seinfeld when a user presses a single user interface key while a video for Seinfeld is displayed in display screen,0053).

Re claim 9, Herrington et al disclose wherein links for launching the one or more predefined queries are associated with television program metadata (descriptions, program type, genre, actors, 0038).

Re claim 10, Herrington et al disclose wherein a link is selectable while the television program metadata is displayed (see fig.7c; The system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations,0008).

Re claim 12, Herrington et al disclose wherein the select key of the navigation controls selects one or more of the combinable navigation contexts(When plural attributes are selected, the search may be performed using a logical AND or a logical OR function,0070).

Re claim 13, Herrington et al disclose further comprising using at least one of the combinable navigation contexts as a logical filter (see fig.7c where user selects “start trek movie” containing Patrick Steward only as attribute).

Re claim 15, Herrington et al disclose wherein the Boolean operators are applied automatically based on an association between a link for launching a predefined query corresponding to a navigation context and the television program content associated with the link (The system may search television program listings and may display a list of related programs based on the selected attributes, 0008).

Re claim 16, Herrington et al disclose wherein the Boolean operators are applied automatically based on an association between a link for launching a predefined query

corresponding to a navigation context and the television program metadata associated with the link(the program guide may locate program listings for programs that have an attribute that matches an attribute of the given program e.g., a common actor, same content, same subject matter, same series, common director, same category, same theme, common production year, etc,0059).

Re claim 18, Herrington et al disclose a method, comprising: displaying content of a currently displayed first television program on a display (see fig.5);

activating a navigation system during display of the content of the currently displayed first television program, wherein the navigation system automatically determines and displays a set of viewer-selectable attributes that are descriptive of different aspects of the currently displayed first television program, wherein the navigation system overlays the set of viewer-selectable attributes on the display of the content of the currently displayed first television program(0053; the system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or operations are to be performed on the attributes,0008; the program guide may display a display screen or, if desired, an overlay ,0060);

receiving a selection of one or more attribute values from the displayed set of viewer-selectable attributes to define a first-query for television programming metadata,

wherein the navigation system uses the selected one or more first-attribute values corresponding to the currently displayed first television program in the query to identify a plurality of television program identifiers corresponding to a plurality of television programs identified by the navigation system as corresponding to the selected one or more attribute values(see fig.7c; the user may select one or more attributes e.g., by pressing a remote control OK button or otherwise selecting desired attributes,0070; 0045);

providing a user interface, wherein a navigation control is used to launch the query by selecting the one or more attribute values from the displayed set of viewer-selectable attributes corresponding to the currently displayed first television program(When plural attributes are selected, the search may be performed using a logical AND or a logical OR function,0070); and

receiving input from the navigation control to sequentially display content of the plurality of television programs as a navigational axis corresponding to the one or more attribute values(see fig.5; the user may select one or more attributes e.g., by pressing a remote control OK button or otherwise selecting desired attributes,0070; 0051;0007-0008; provide the user with an opportunity to select attributes of interest,0069).

But did not explicitly disclose the navigation control navigating the navigational axis by a single key used to cycle through displaying the content of the of-plurality of television programs identified without accessing a menu listing the plurality of television program.

However, Ellis et al disclose the navigation control navigating the navigational axis by a single key used to cycle through displaying the content of the of-plurality of television programs identified without accessing a menu listing the plurality of television program (see fig.4 and fig.9 where the user is capable of cycling across the programs without access a menu listing; the user may change the channel using channel up and down keys on the remote control or using user interface 118 to issue other suitable channel change commands, 0105-0108; Cursor keys 82 may be used to navigate on-screen menus,0080; 0109-0110).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing users to interact with up and down buttons to select content without opening any other menus.

Re claim 19, is met as previously discussed with respect to the rejection of claim 18.

Re claim 24, Herrington et al disclose further comprising displaying program information for each television program in response to the navigation control accessing the television program (see fig.5).

Re claim 25, Herrington et al disclose further comprising: pausing a particular television program at a pause point in response to the navigation control accessing another particular television program of the plurality of television programs; and resuming the particular television program at the pause point in response to the navigation control accessing the particular television program again (resumes watching television, 0085).

Re claim 27, Herrington et al disclose further comprising selecting multiple first attribute values, wherein the multiple first attribute values are combined in the query using Boolean logic operators, wherein the Boolean logic operators are applied automatically(When plural attributes are selected, the search may be performed using a logical AND or a logical OR function,0070).

Re claim 28, Herrington et al disclose wherein the Boolean operators are designated by a context of the currently displayed first television program(may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or operations are to be performed on the attributes. The system

may search television program listings and may display a list of related programs based on the selected attributes, 0008).

Re claim 29, Herrington et al disclose a multi-axis television navigation system, comprising: a server for storing and accessing digital television programming content (see fig.1, element 56; the server e.g., television distribution facility 56 may include a database that may include program listing information, 0048);

a navigation control for navigating any one of multiple navigational axes to change from displaying a currently displayed television program to displaying a television program provided by the server, and for selecting links to launch predefined queries, wherein each predefined query queries a database of television program metadata based on television program attributes selected by a viewer and returns a particular navigation axis comprising a list of program identifiers of television programs corresponding to a value for the television program attributes selected(the system may present the user with a list of attributes for the given program and may allow the user to select one or more attributes and may allow the user to select which logical operations e.g., and/or operations are to be performed on the attributes,0008);

the server is configured to perform operations that include displaying a set of viewer-selectable attributes that are descriptive of different aspects of the currently displayed television program; overlaying the set of viewer-selectable attributes on the currently

displayed television program (the program guide may display a display screen or, if desired, an overlay having listings for programs which are related to the user-selected program; From the list, the user may find a particular program of interest to the user,0060);

using one or more selected attribute values selected from the set of viewer-selectable attributes corresponding to the currently displayed television program to define one of the predefined queries to produce the list of television program identifiers as the particular navigational axis (see fig.5).

But did not explicitly disclose the navigation controls provide for navigation from display of the currently displayed television program to display of a plurality of different television programs corresponding to the television program identifiers in the list in response to activation of a single key for cycling through the display of the plurality of different television programs along the particular navigational axis identified by the list.

However, Ellis et al disclose the navigation controls provide for navigation from display of the currently displayed television program to display of a plurality of different television programs corresponding to the television program identifiers in the list in response to activation of a single key for cycling through the display of the plurality of different television programs along the particular navigational axis identified by (see fig.4 and fig.9 where the user is capable of cycling across the programs without access

a menu listing; the user may change the channel using channel up and down keys on the remote control or using user interface 118 to issue other suitable channel change commands, 0105-0108; Cursor keys 82 may be used to navigate on-screen menus,0080; 0109-0110).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing users to interact with up and down buttons to select content without opening any other menus.

Re claim 31, is met as previously discussed with respect to the rejection of claim 1.

Re claim 32, Herrington et al disclose further comprising a data structure implemented by the server for arranging metadata in a relational schema, wherein the relational schema adheres at least in part to a global listings format (includes television program listings data such as program times, channels, titles, descriptions,0038).

As claim 33, the claimed “a database for television program metadata; a query engine to find program identifiers in the database corresponding to predefined queries, wherein a predefined query returns a navigational axis from the database, wherein a navigational axis is a list of program identifiers of television programs...” is composed

as the same structural elements as previously discussed with respect to the rejection of claim 29.

Re claim 35, is met as previously discussed with respect to the rejection of claim 1.

Re claim 36, Herrington et al disclose a multi-axis television program system that comprises a processor coupled to computer readable storage media; a multi-axis database schema implemented by a-the processor executing instructions stored in the computer readable storage media, the schema comprising: instructions for arranging a database of television programming metadata into indices facilitating predefined queries(each set-top box preferably contains a processor to handle tasks associated with implementing an application on the set-top box 62 that assists the user in searching for programs,0050);

wherein: one or more links contextually associated with one or more attributes of a currently displayed television program call the predefined queries, wherein the one or more attributes are selected by a viewer from among a set of attributes and logically combined using Boolean operators (When plural attributes are selected, the search may be performed using a logical AND or a logical OR function, 0070);

each attribute of the set corresponds to a combinable navigation context which can be used for generating a navigable sequence of television programs along a

navigational axis; the set of attributes corresponding to the currently displayed television program are automatically determined by the processor and displayed as viewer-selectable attributes when a user interface is activated during display of the currently displayed television program(see fig.5; the program guide may display related program find display screen 94 for the program Seinfeld when a user presses a single user interface key while a video for Seinfeld is displayed in display screen,0053);

the predefined queries return a list of identifiers from the database corresponding with one or more of the attributes (see fig.5),

each list forms a navigational axis(The attributes may include program genre(s), actors, rating, channel, director, year produced, or any other suitable program attributes,0071),

each identifier in a list corresponds to either an on-demand or currently broadcast television program (the program guide may display a list of programs based on a search of currently available program listings with saved search parameters from an earlier search, 0079);

the television programs on the list are displayed as accessed by a television channel navigation control for navigating one or more navigational axes (see fig.5).

But did not explicitly the television channel navigation control comprises a next key, a previous key and a select key; and the next key or previous key is used to cycle through the television programs corresponding to the list without having to access a menu listing the television programs in the list for navigating to a next television program in the sequence.

However, Ellis et al disclose the television channel navigation control comprises a next key, a previous key and a select key; and the next key or previous key is used to cycle through the television programs corresponding to the list without having to access a menu listing the television programs in the list for navigating to a next television program in the sequence(see fig.4 and fig.9 where the user is capable of cycling across the programs without access a menu listing; the user may change the channel using channel up and down keys on the remote control or using user interface 118 to issue other suitable channel change commands, 0105-0108; Cursor keys 82 may be used to navigate on-screen menus,0080; 0109-0110).

It would have been obvious for any person of ordinary skill in the art at that time the invention was made to incorporate the teaching of Ellis into the invention of Herrington for the purpose of allowing users to interact with up and down buttons to select content without opening any other menus.

Re claim 37, Herrington et al disclose wherein the one or more attributes include at least one of: type of program, program title, alphabetical order of title, year of release, channel, time, first air date, episode order, episode name, genre, actors, writer, director, producer, rating, sound characteristics, video characteristics, language, subtitles, closeness of match to search criteria, or popularity(the program guide may locate program listings for programs that have an attribute that matches an attribute of the given program e.g., a common actor, same content, same subject matter, same series, common director, same category, same theme, common production year,0059).

As claim 38, the claimed “ defining a television navigation axes-axis according to attributes of television programs where two-one or more attributes define the navigational axis axes ; receiving a viewer selection of one or more attributes from among the displayed set of viewer-selectable attributes, wherein each attribute displayed is descriptive of a different aspect of a-the currently displayed television program...” is composed as the same structural elements as previously discussed with respect to the rejection of claim 1.

As claim 40, the claimed “displaying a currently displayed television program on a television; activating a navigation system during display of the currently displayed television ...” is composed of the same structural elements as previously discussed with respect to the rejection of claim 1.

Re claim 41, Herrington et al disclose further comprising presenting on the television the navigational axis and at least some information for the television programs that correspond to the television program identifiers(see fig.7c; a common actor, same content, same subject matter, same series, common director, same category, same theme, common production year,0059).

Re claim 42, Herrington et al disclose further comprising during display of the different television program, activating the navigation system again, wherein the navigation system automatically determines and displays a different set of viewer-selectable attributes that are descriptive of the different television program, wherein the navigation system overlays the different set of viewer-selectable attributes on the display of the different television program, wherein one or more of the different attributes is selected to create a new list of television program identifiers corresponding to the selected one or more different attributes for creating an additional navigational axis, the additional navigational axis based on results from a different query based on the one or more different attributes(see fig.5; the program guide may display a display screen or, if desired, an overlay having listings for programs which are related to the user-selected program. From the list, the user may find a particular program of interest to the user. The program guide may provide the user with an opportunity to select a program listing from the list, 0060).

Re claim 43, is met as previously discussed with respect to the rejection of claim 1.

Re claim 44, is met as previously discussed with respect to the rejection of claim 40.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean Duclos Saintcyr whose phone number is 571-270-3224. The examiner can normally reach on M-F 7:30-5:00 PM EST. If attempts to reach the examiner by telephone are not successful, his supervisor, Brian Pendleton, can be reached on 571-272-7527. The fax number for the organization where the application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197(toll free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, dial 800-786-9199(IN USA OR CANADA) or 571-272-1000.

/Jean Duclos Saintcyr /

/Brian T Pendleton/

Supervisory Patent Examiner, Art Unit 2425